

## Chapter 6

### Brigade Signal Operations Company

#### 6-1. General

The brigade SIGOP company's mission is to provide the nonorganic dedicated command communications system which supports ADA brigade operations. The communications system furnishes transmission of real- and near real-time digital data and voice information essential to the operational execution of air defense command control functions. The assignment is organic to the ADA SIGOP battalion TOE 11675.

#### 6-2. Capabilities and Limitations

a. At strength level 1 and 24 hours a day, the brigade SIGOP company provides the multichannel communications system (with relay capability) between the ADA brigade and its assigned ADA battalions. It includes the lateral system between ADA brigades. The multichannel system includes telephone, teletypewriter, and data channels.

b. This company provides the command signal center for the brigade headquarters which consists of the following:

- The teletypewriter terminal facility.
- The message center, COMSEC, and facsimile.
- A local telephone distribution system.
- The RATT station for operation in the AADCOM command net and the brigade command net.
- Technical control and circuit patching facilities at each of the three nodes in the brigade area of operations.
- Unit administration, supply, and mess facilities.
- Organizational maintenance of organic vehicles and power generators.
- DS level maintenance for organic signal systems equipment.

c. The limitations of the SIGOP company are of the same constraints that apply to the whole battalion structure.

### 6-3. Training and Mobility

In addition to their basic skills, personnel receive training under ARTEP 11-175. Company personnel train to engage in effective, coordinated defense of their respective unit's area or installation using--

- Rear area protection procedures.
- Operations in an internal defense environment.
- Defense against threat aircraft.
- Operations under NBC conditions.

### 6-4. Organization

The SIGOP company is organized under TOE 11677 (Figure 6-1). Four companies are allocated to the battalion. The SIGOP company provides--

- Unit administration and supply functions.
- Mess facilities for assigned personnel.
- Organizational maintenance of organic vehicular, generator, and communications equipment.
- DS maintenance facility for its organic communications equipment.
- Internal communications equipment.
- Internal communications for the brigade headquarters. (Does not provide internal communications for ADA battalions.)

### 6-5. Operation Method

The SIGOP company is self-supporting and has the usual company support functions plus its principal communications mission. It has two signal platoons in support of an ADA brigade: the signal center platoon and the telecommunications platoon.

a. The signal center platoon sets up three communications nodes near the ADA brigade headquarters. The main node is located in the immediate area of the brigade CP (within cable distance). The node's automatic switch serves the brigade headquarters. The automatic switch acts as the patching facility, and as the entry point for interfacing the area signal brigade's multichannel system. The second and third nodes, general purpose nodes, are set up at greater distances from the ADA brigade CP. The nodes are geographically dispersed in the brigade area of operation providing maximum communications coverage.

b. The telecommunications platoon sets up and operates the telecommunications center at the brigade headquarters CP. The platoon also supplies the RATT terminals at the brigade CP for the AADCOM command net and the brigade command net.

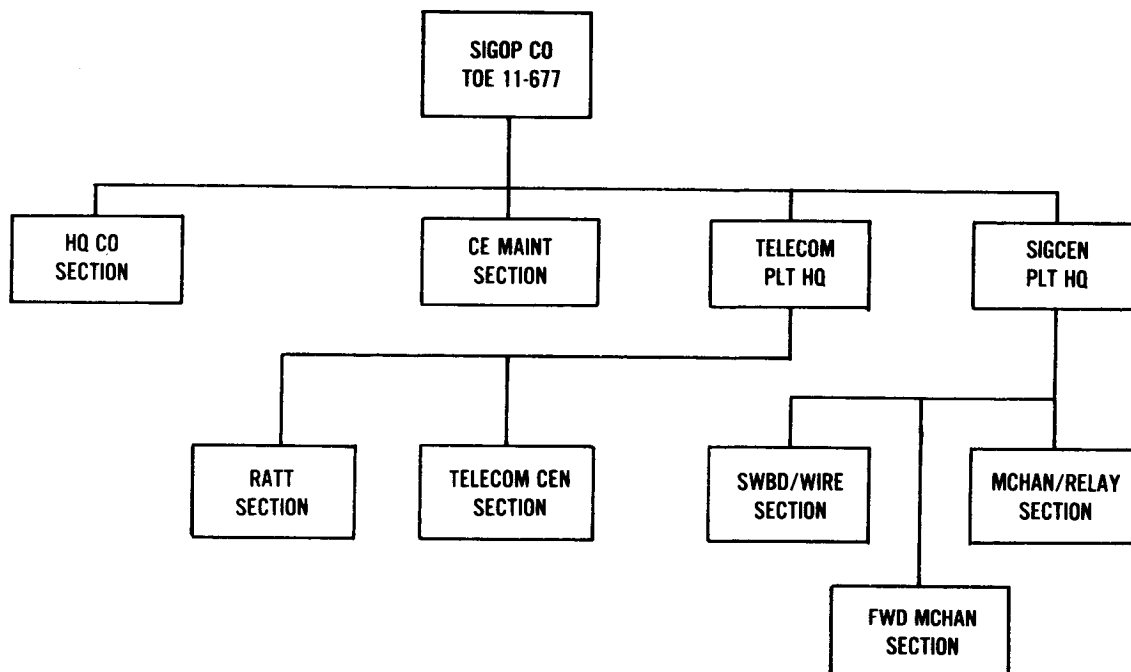


Figure 6-1. SIGOP company command structure.